FILE COVERS 1907 - 21 Jul 2006 VOL 145 ISS 5
FILE LAST UPDATED: 20 Jul 2006 (20060720/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

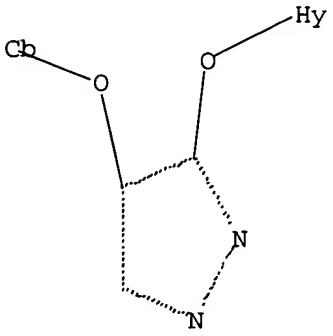
http://www.cas.org/infopolicy.html

=> s l3
L4 4 L3

=> d ibib abs hitstr tot

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 15:50:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 361 TO ITERATE

100.0% PROCESSED 361 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 6081 TO 8359
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 15:51:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 6842 TO ITERATE

100.0% PROCESSED 6842 ITERATIONS 28 ANSWERS
SEARCH TIME: 00.00.01

L3 28 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 166.94 167.15

FILE 'CAPLUS' ENTERED AT 15:51:06 ON 21 JUL 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 15:50:31 ON 21 JUL 2006

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 20 JUL 2006 HIGHEST RN 894992-91-7
DICTIONARY FILE UPDATES: 20 JUL 2006 HIGHEST RN 894992-91-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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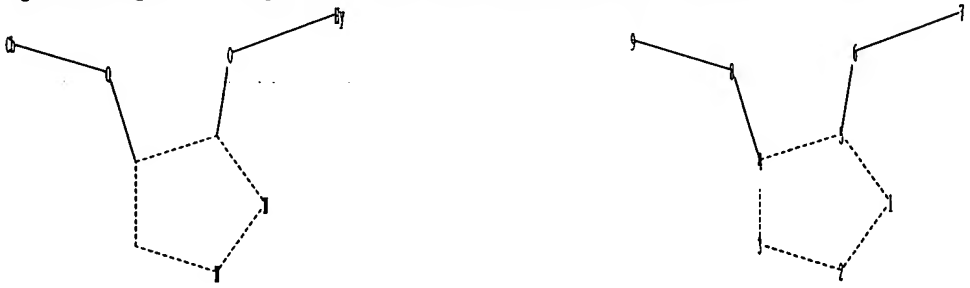
Uploading C:\Program Files\Stnexp\Queries\106698122.str



chain nodes :
6 7 8 9
ring nodes :
1 2 3 4 5
chain bonds :
4-8 5-6 6-7 8-9
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 2-3 3-4 4-5 4-8 5-6 6-7
exact bonds :
8-9
isolated ring systems :
containing 1 :

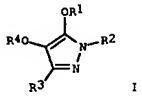
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:Atom 8:CLASS 9:Atom

App Grant

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:287840 CAPLUS
DOCUMENT NUMBER: 140:303663
TITLE: Preparation of pyrazole derivatives as reverse transcriptase inhibitors
INVENTOR(S): Barba, Oscar; Jones, Lyn Howard
PATENT ASSIGNEE(S): Pfizer Limited, UK; Pfizer Inc.
SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004029042	A1	20040408	WO 2003-IB4158	20030915
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2497333	AA	20040408	CA 2003-2497333	20030915
AU 2003260908	A1	20040419	AU 2003-260908	20030915
EP 1546132	A1	20050629	EP 2003-798326	20030915
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003014709	A	20050726	BR 2003-14709	20030915
JP 2006504803	T2	20060209	JP 2005-501943	20030915
US 2004110816	A1	20040610	US 2003-669812	20030923
PRIORITY APPLN. INFO.:			GB 2002-22374 A	20020926
			GB 2002-23356 A	20021008
			US 2002-433402P P	20021213
			WO 2003-IB4158 W	20030915

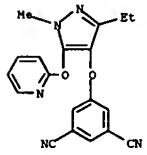
OTHER SOURCE(S): MARPAT 140:303663
GI



I

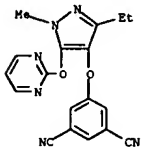
AB The title compds. [I; R1 = (un)substituted 5-6 membered heteroaryl containing

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
(1) 1-4 N atoms or (2) 1-2 N atoms and 1 O atom or 1 S atom or (3) 1 or 2 O or S atoms; R2 = H, alkyl, cycloalkyl, etc.; R3 = H, alkyl, cycloalkyl, etc.; R4 = (un)substituted Ph, naphthyl, pyridyl] which bind to the enzyme reverse transcriptase and are modulators, esp. inhibitors thereof, were prepd. and formulated. Thus, reacting 5-(3-ethyl-1-methyl-5-oxo-4,5-dihydro-1H-pyrazol-4-yloxy)isophthalonitrile (prepn. given) with 2-chloropyridine afforded I [R1 = 2-pyridyl; R2 = Me; R3 = Et; R4 = 3,5-dicyanophenyl] which showed IC50 of 5400 nM against HIV-1 reverse transcriptase. The compds. I are useful in the treatment of a variety of disorders including those in which the inhibition of reverse transcriptase is implicated. Disorders of interest include those caused by Human Immunodificiency Virus (HIV) and genetically related retroviruses, such as Acquired Immune Deficiency Syndrome (AIDS).
IT 676995-10-1P 676995-11-2P 676995-12-3P
676995-13-4P 676995-14-5P 676995-15-6P
676995-16-7P 676995-17-8P 676995-18-9P
676995-19-0P 676995-20-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrazole derivs. as reverse transcriptase inhibitors)
RN 676995-10-1 CAPLUS
CN 1,3-Benzenedicarbonitrile, 5-[[3-ethyl-1-methyl-5-(2-pyridinyloxy)-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

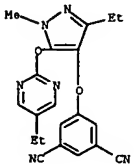


RN 676995-11-2 CAPLUS
CN 1,3-Benzenedicarbonitrile, 5-[[3-ethyl-1-methyl-5-(2-pyrimidinyloxy)-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

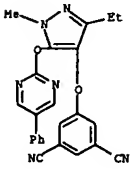
L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 676995-12-3 CAPLUS
CN 1,3-Benzenedicarbonitrile, 5-[[3-ethyl-5-[(5-ethyl-2-pyrimidinyl)oxy]-1-methyl-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

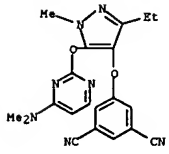


RN 676995-13-4 CAPLUS
CN 1,3-Benzenedicarbonitrile, 5-[[3-ethyl-1-methyl-5-[(5-phenyl-2-pyrimidinyl)oxy]-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

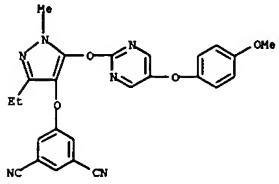


RN 676995-14-5 CAPLUS
CN 1,3-Benzenedicarbonitrile, 5-[[5-[[4-(dimethylamino)-2-pyrimidinyl]oxy]-3-ethyl-1-methyl-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

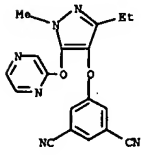
L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 676995-15-6 CAPLUS
CN 1,3-Benzenedicarbonitrile, 5-[[3-ethyl-5-[[5-(4-methoxyphenoxy)-2-pyrimidinyl]oxy]-1-methyl-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

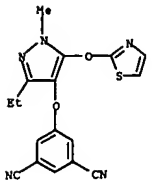


RN 676995-16-7 CAPLUS
CN 1,3-Benzenedicarbonitrile, 5-[[3-ethyl-1-methyl-5-(pyrazinyloxy)-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

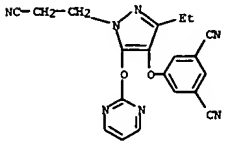


RN 676995-17-8 CAPLUS
CN 1,3-Benzenedicarbonitrile, 5-[[3-ethyl-1-methyl-5-(2-thiazolyloxy)-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

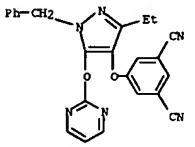
L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 676995-18-9 CAPLUS
CN 1,3-Benzenedicarbonitrile, 5-[[1-(2-cyanoethyl)-3-ethyl-5-(2-pyrimidinyloxy)-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

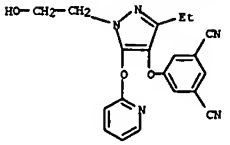


RN 676995-19-0 CAPLUS
CN 1,3-Benzenedicarbonitrile, 5-[[3-ethyl-1-(phenylmethyl)-5-(2-pyrimidinyloxy)-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

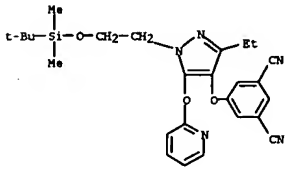


RN 676995-20-3 CAPLUS
CN 1,3-Benzenedicarbonitrile, 5-[[3-ethyl-1-(2-hydroxyethyl)-5-(2-pyridinyloxy)-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT 676995-27-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrazole derivs. as reverse transcriptase inhibitors)
RN 676995-27-0 CAPLUS
CN 1,3-Benzenedicarbonitrile, 5-[[1-[2-[[(1,1-dimethylethyl)dimethylsilyl]oxy]ethyl]-3-ethyl-5-(2-pyridinyloxy)-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1992:106314 CAPLUS
DOCUMENT NUMBER: 116:106314
TITLE: Preparation of 4-phenylthio-5-(pyrimidyloxy)pyrazoles and analogs as agrochemical fungicides
INVENTOR(S): Ohsumi, Tadashi; Fujimura, Makoto; Hayashi, Miki
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 32 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
EP 459333	A1	19911204	EP 1991-108547		19910525
R: BE, CH, DE, ES, FR, GB, IT, LI, NL					
JP 04356480	A2	19921210	JP 1991-116843		19910419
US 5189040	A	19930223	US 1991-701240		19910516
PRIORITY APPLN. INFO.:			JP 1990-138717	A	19900528
			JP 1991-89952	A	19910327

OTHER SOURCE(S): MARPAT 116:106314
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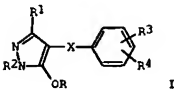
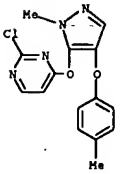


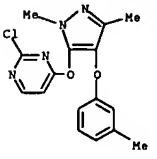
I

AB Title compound [I; R = (substituted) 4-pyrimidyl, 2-pyridyl, 2-pyrazinyl, etc.; R1 = H, alkyl; R2 = alkyl; R3, R4 = H, halo, (halo)alkyl, alkoxy; X = O, S, CH2] were prepared Thus, I (R1 = R2 = Me, R3 = 2-Cl, R4 = H, X = S) (II; R = H) was condensed with 2,4-dichloropyrimidine to give II (R = 2-chloro-4-pyrimidinyl) which gave 100% control of Rhizoctonia solani on rice plants when sprayed at 400 ppm.
IT 139140-31-1P 139175-36-3P 139175-37-4P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as agrochem. fungicide)
RN 139140-31-1 CAPLUS
CN Pyrimidine, 2-chloro-4-[[1-methyl-4-(4-methylphenoxy)-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)

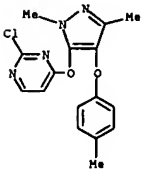
L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 139175-36-3 CAPLUS
CN Pyrimidine, 2-chloro-4-[[1,3-dimethyl-4-(3-methylphenoxy)-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)



RN 139175-37-4 CAPLUS
CN Pyrimidine, 2-chloro-4-[[1,3-dimethyl-4-(4-methylphenoxy)-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)



L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1991:608019 CAPLUS
DOCUMENT NUMBER: 115:208019
TITLE: Preparation of 5-heterocycloxypyrazole derivatives as agricultural and horticultural fungicides
INVENTOR(S): Nakajima, Yasuyuki; Hirohara, Yoji; Suzuki, Hideo; Hanaue, Masami; Nishikubo, Masao; Ooya, Hiroshi; Ito, Tadashi
PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03141276	A2	19910617	JP 1989-276598	19891024
PRIORITY APPLN. INFO.:			JP 1989-276598	19891024

OTHER SOURCE(S): MARPAT 115:208019
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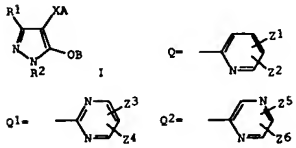
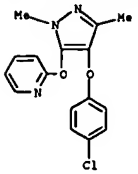


AB The title compds. (I; R1 = H, alkyl, cycloalkyl, haloalkyl, Ph; R2 = alkyl, Ph; X = S, SO, SO2, O, CH2; A = (unsubstituted) Ph; B = Q, Q1, Q2; Z1, Z2 = H, halo, alkyl, alkoxy, haloalkyl, NO2, cyano; Z3-Z6 = H, halo, alkyl, alkoxy) excluding I (R1 = R2 = Me, B = Q1, Z3 = Z4 = H, X = S or O) are prepared Thus, 2.5 g 1,3-dimethyl-4-(4-chlorophenylthio)-5-hydroxypyrazole and 4.8 g 2-bromopyridine were heated for 2.5 h at 140° (bath temperature) with stirring to give 2.0 g 1,3-dimethyl-4-(4-chlorophenylthio)-5-(2-pyridyloxy)pyrazole (II). II at 50 ppm controlled 100% Rhizoctonia solani in rice seedlings.
IT 136865-13-9P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as agrochem. fungicide)
RN 136865-13-9 CAPLUS
CN Pyridine, 2-[[4-(4-chlorophenoxy)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1989:610572 CAPLUS
DOCUMENT NUMBER: 111:210572
TITLE: Preparation of pyrazoles as agrochemical microbicides.
INVENTOR(S): Oosumi, Tadashi; Fujimura, Makoto
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 01125379	A2	19890517	JP 1987-284806	19871110
PRIORITY APPLN. INFO.:			JP 1987-284806	19871110

OTHER SOURCE(S): MARPAT 111:210572
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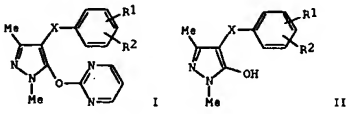
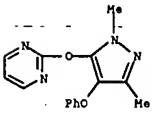
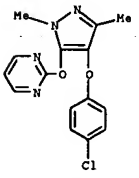


AB Agrochem. microbicides contain pyrazoles I (R1, R2 = H, halo, lower alkyl or alkoxy; X = O, S) prepared from 5-hydroxypyrazoles II and 2-chloropyrimidine (III), as active ingredients. II (R1 = H, R2 = 4-Me, X = S) (0.66 g) was treated with 0.97 g III at 130° for 3 h to give 0.80 g I (R1 = H, R2 = 4-Me, X = S), which (50 weight parts) was mixed with Ca ligninsulfonate 3, Na lauryl sulfate 2, and SiO2 45 weight parts to prepare a wettable powder. The powder, applied to rice, at 400 ppm, completely controlled Rhizoctonia solani after 4 days.
IT 123650-39-5 123650-40-8 123650-41-9
123650-42-0 123650-43-1 123650-44-2
123650-45-3 123650-46-4 123650-47-5
123650-48-6 123650-49-7 123650-50-0
RL: BIOL (Biological study)
(agrochem. microbicides containing)
RN 123650-39-5 CAPLUS
CN Pyrimidine, 2-[(1,3-dimethyl-4-phenoxy-1H-pyrazol-5-yl)oxy]- (9CI) (CA INDEX NAME)

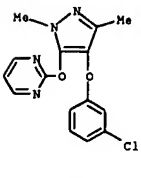
L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 123650-40-8 CAPLUS
CN Pyrimidine, 2-[[4-(4-chlorophenoxy)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)

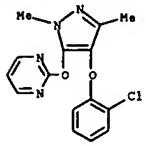


RN 123650-41-9 CAPLUS
CN Pyrimidine, 2-[[4-(3-chlorophenoxy)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)

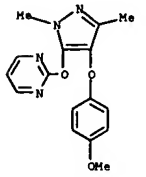


RN 123650-42-0 CAPLUS
CN Pyrimidine, 2-[[4-(2-chlorophenoxy)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)

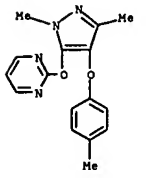
L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 123650-43-1 CAPLUS
CN Pyrimidine, 2-[[4-(4-methoxyphenoxy)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)

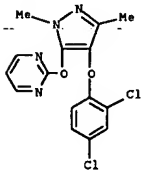


RN 123650-44-2 CAPLUS
CN Pyrimidine, 2-[[1,3-dimethyl-4-(4-methylphenoxy)-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)

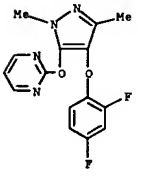


RN 123650-45-3 CAPLUS
CN Pyrimidine, 2-[[1,3-dimethyl-4-(3-methylphenoxy)-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)

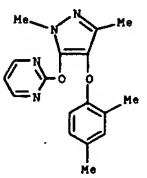
L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



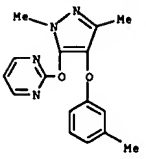
RN 123650-49-7 CAPLUS
CN Pyrimidine, 2-[[4-(2,4-difluorophenoxy)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)



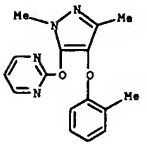
RN 123650-50-0 CAPLUS
CN Pyrimidine, 2-[[4-(2,4-dimethylphenoxy)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)



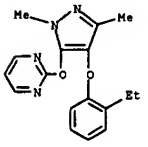
L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 123650-46-4 CAPLUS
CN Pyrimidine, 2-[[1,3-dimethyl-4-(2-methylphenoxy)-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)



RN 123650-47-5 CAPLUS
CN Pyrimidine, 2-[[4-(2-ethylphenoxy)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)



RN 123650-48-6 CAPLUS
CN Pyrimidine, 2-[[4-(2,4-dichlorophenoxy)-1,3-dimethyl-1H-pyrazol-5-yl]oxy]- (9CI) (CA INDEX NAME)

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FULL ESTIMATED COST	21.36	188.51

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.00	-3.00

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